

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,578,147 B1  
DATED : June 10, 2003  
INVENTOR(S) : Steven D. Shanklin et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [56], **References Cited**, OTHER PUBLICATIONS, insert

-- Introduction to Algorithms", Cormen et al., Ch. 34, pp. 853-885, Copyright ©  
1990 --.

Signed and Sealed this

Seventeenth Day of February, 2004

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Acting Director of the United States Patent and Trademark Office*